

Figure 1

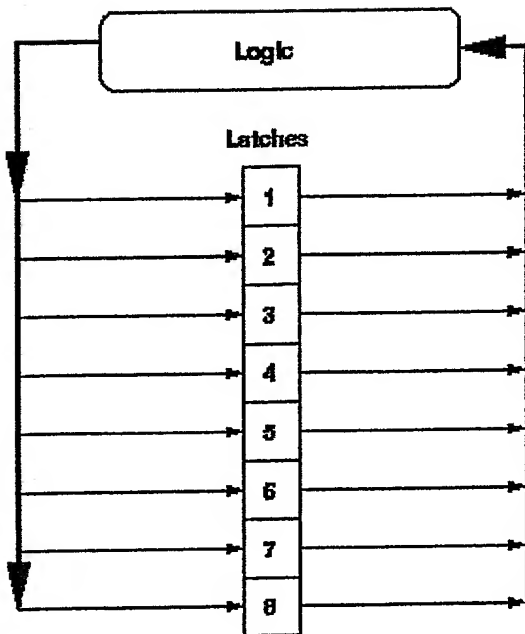
Pattern		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Latch 200	Input	0	1	0	0	0	1	1	0	1	1	0	1	0	1	0	1
	Result	1	1	1	0	1	1	0	0	1	0	0	1	1	0	0	0
Latch 210	Input	0	1	0	0	0	1	1	0	1	1	0	1	0	1	0	1
	Result	0	0	0	1	0	0	1	1	0	1	1	0	0	1	1	1
Latch 220	Input	0	1	0	0	0	1	1	0	1	1	0	1	0	1	0	1
	Result	1	1	1	0	1	1	0	0	1	0	0	1	1	0	0	0

same

opposite

same

Figure 2



Initial values		Pass 1		Pass 2		Pass 2	
Input	Result	Input	Result	Input	Result	Input	Result
1	X	1	(1)	1	1	1	1
0	1	0	1	0	1	0	1
X	0	X	0	(1)	0	1	0
X	0	X	0	X	0	(0)	0
X	X	X	(0)	(0)	0	0	0
1	X	1	X	1	(1)	1	1
X	1	(1)	1	1	1	1	1
X	1	X	1	(0)	1	0	1

Set Input 7 Set result 6 Set result 4

Values in solid circles are set, values in dashed circles are implied by these settings

Figure 3

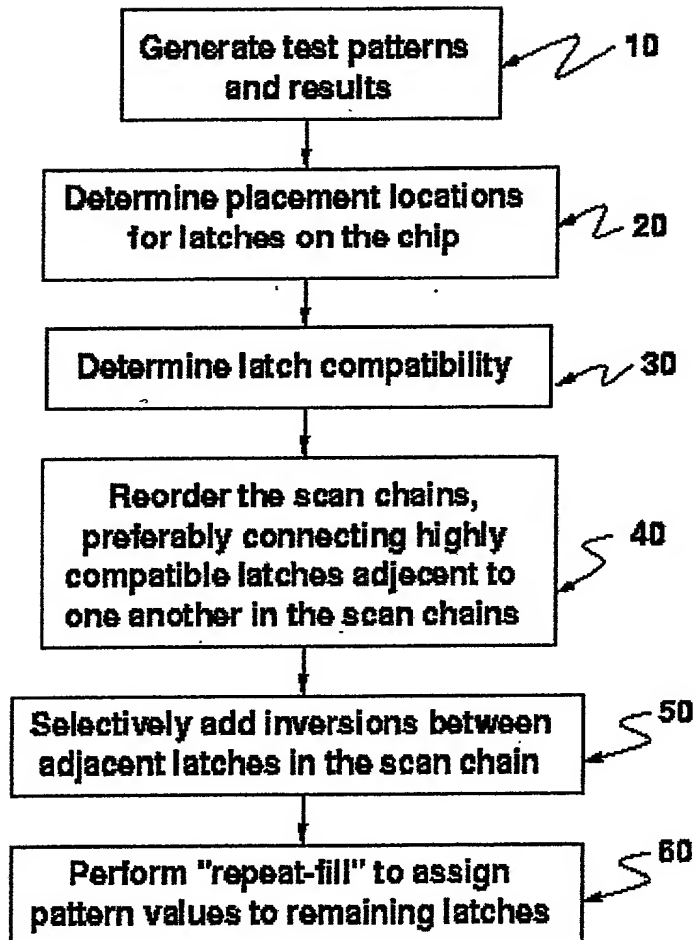


Figure 4